Subject Index to Volume 1

A

ABP, *see* Androgen binding protein
Abstracts, 59–88
Acrosin, 16
  assay for, 19
    results, 19–21
  boar
    assay, 90
    conversion from proacrosin, 89
    esterolytic activity, glycosaminoglycans effect, 93
    proteolytic activity, glycosaminoglycans effect, 93
  inhibition assays, 29
  inhibitor, 16
    assay, 19
      results, 24
    recovery of, 19
Acrosin system assay
  results, 19–24
  spermatozoa extraction, 17–18
  stability of system in whole semen, 19
Acrosome reaction, in guinea pig sperm, 30
Aging, and androgen regulation of prostate PRL response, in rat, 269
Aging in AXC rat: Androgen regulation of prostate prolactin response, 269–275
Albumin, prevasectomy and postvasectomy values, 46
Alpha-amylase, and seminal fluid liquefaction, 285
Amino acid, utilization, in rabbit epididymis explant, 289
Androgen(s)
  binding, ^{3}H-DHT uptake and retention, 202–206
  diurnal variation of, dibromochloropropane and, 277–280
  production, diabetes and, 106–107
  receptors, in canine prostate, 234–242
  regulation of prostate PRL response, in aging rats, 269
Androgen-binding protein (ABP)
  human, cimetidine interactions, 111–114
  rat
    effect of calcium on, 36
    effect of neuraminidase on, 35
    forms of, 35
    heat stability of, 36–37
    physicochemical properties, 35–36
Androgen and estrogen receptors in the canine prostate, 234–242
Andrology in the year 2000 (presidential address), 149–155
Androstenedione, dibromochloropropane effect on, 277
Anesthesia, testicular blood flow during, 189
Anesthetics, effect on testosterone production, 182–195
Animals
  estradiol inhibition of testosterone in, 138–144
  Also see specific animal
Antibody (ies)
  antisperm, 41–43, 154
  response, after vasectomy, 41–43
  sperm-agglutinating, 134
Antifertility, LHRH agonist action, 171–180, 209–226
Antifertility effects of LHRH agonists in the male, 209–226
Arteriolar sclerosis, retinal changes, 299
Artificial insemination, 154
Assay
  acrosin system, 17–24
  cimetidine, 111–114
DOPA/5-HTP in human seminal plasma, 159
LHRH agonist action, 172–175
  myocrisin antifertility activity, 29–30
  prolactin receptor, in rat prostate, 270, 271–273
  rat androgen-binding protein, 33–37
  reproductive hormones, postvasectomy, 41, 43–44
Atherosclerosis, ocular signs, 300
Autoradiography, of ^{3}H-DHT, in male accessory organs, 202–206
Azoospermia
  Leydig cell dysfunction and elevated FSH levels in, 127–131
  obstructive, 267
  serum and seminal fluid immunoglobulins in, 133–136
  sperm-agglutinating antibodies in, 134

B

Benzamidine, and acrosin system assay, 22
Bilirubin, prevasectomy and postvasectomy values, 46
Biochemical aspects of the coagulation and liquefaction of human semen, 281–287
Biogenic amines, 158
Blood chemistry, postvasectomy values, 43, 45–47
Blood flow, testicular, during anesthesia, 189
Blood–testis barrier, functional significance, 3–9
Blood urea nitrogen (BUN), prevasectomy and postvasectomy values, 45
Boar, conversion of proacrosin into acrosin, 89
Bromocriptine, in photoperiod-induced testicular regression and recrudescence in hamster, 115–120

C

Calcium, effect on rat androgen-binding protein, 36–37
Cancer, prostate, LHRH agonist treatment, 225, 226
Cat, liver, DOPA/5-HTP decarboxylase activity in, effect of human seminal plasma on, 164
Cervical mucus penetration test, 153
Cholesterol, prevasectomy and postvasectomy values, 47
Cilia, in efferent duct fluid flow, 304
Cimetidine–androgen-binding protein interactions, 111–114
Coagulation, of human semen, 281
Coils, as intravasal contraceptive devices, 244–250
Comparison of blood chemistry, reproductive hormones, and development of antisperm antibodies after vasectomy in man, 40
Competition of the histamine H_2 antagonist cimetidine for androgen binding sites in man, 111–114
Concentrations of immunoreactive inhibin in seminal plasma and serum from normospermic, oligospermic, vasectomized, Klinefelter's syndrome, and Sertoli-cell–only syndrome subjects, 252–254
Continuous flow method for organ culture of rabbit epididymis: Morphology, amino acid utilization, glucose uptake, RNA, and protein synthesis, 289–298
Contraception, immunologic approaches, 155
Contraceptive
  intravasal devices, 244–250
  myocrisin, 28–31
  Also see Vasectomy
Creatinine, prevasectomy and postvasectomy values, 47
Cryptozoospermia
  definition, 133
  seminal fluid immunoglobulins in, 135
  sperm-agglutinating antibodies in, 134
Cytosol
  canine prostatic, androgen and estrogen binding in, 234–242
  reconstituted, rat, 34

D

[D-Ala^6, des-Gly-$NH_2{}^{10}$]LHRH ethylamide, *see* LHRH agonist
DEAE-cellulose chromatography, of rat ABP, 34
DHT, *see* Dihydrotestosterone
Diabetes and male reproductive function (review article), 105–109
Diabetes mellitus
  and hypothalamic-pituitary-testicular axis, 106–107
  and male reproductive function, 105–109
  and sperm motility, 108
  and spermatogenesis, 107–108
Dialysis membrane, effect on recovery of acrosin system, 25
Dibromochloropropane, and diurnal variation of gonadotropins and androgens, 277–280
Dihydrotestosterone (DHT)
  binding protein, 33–38
  cimetidine interactions with, 111–114
  dibromochloropropane effect on, 277
  and LHRH agonist activity, 174–179
  production, *see* Steroidogenesis
Disc gel electrophoresis, boar proacrosin, 90, 92
Dog
  FSH secretion in, testosterone regulation of, 197–201
  prostate, androgen and estrogen receptors in, 234–242
DOPA/5-HTP decarboxylase, in human seminal plasma, 158–165
Duodenum, rabbit, effects of hypoxia on, 96–101

E

Effect of anesthetics on testosterone production in rats, 182–195
Effect of dibromochloropropane upon diurnal variations of gonadotropins and androgens, 277–280
Effect of hypoxia on spontaneous contractions of the adult rabbit isolated testicular capsule and duodenum, 96–101
Effect of human chorionic gonadotropin, prolactin, and bromocriptine on photoperiod-induced testicular regression and recrudescence in golden hamsters, 115–120
Effect of vasectomy on the osmolarity of hamster testicular and epididymal intraluminal fluid, 167–170
Effect of vasectomy on the retinal vasculature of men, 299–303
Efferent ducts, fluid flow in, mathematical model for, 304
Enflurane, and changes in testosterone, 184–187
Enzymes, in seminal fluid liquefaction, 285
Epididymis
  function, 152–153
  ^{3}H-DHT uptake and retention in, 202–206
  hamster, intraluminal fluid osmolarity, vasectomy and, 167–170
  pressure-mediated effects, postvasectomy, 261–264
  rabbit, continuous flow method for organ culture, 289–298
Esterolysis, boar acrosin, glycosaminoglycans and, 93
Estradiol
  inhibition of testosterone, 138–144
  metabolism, in testicular interstitial cells, 139
  in rams, 123
Estradiol-induced inhibition of testosterone production by testicular interstitial cells incubated in vitro, 138–144
Estrogen receptors, in canine prostate, 234–242
Ether, and changes in testosterone, 184–187

F

Fertilization, hyaluronidase in, 28
Fertilization tests, in vitro, 29
Fluid flow, in efferent ducts, mathematical model for, 304
Follicle cell, dispersion experiments, myocrisin in, 29
Follicle stimulating hormone (FSH)
  dibromochloropropane effect on, 277
  elevated levels, and Leydig cell dysfunction in azoospermic and oligospermic men, 127–131
  enflurane anesthesia effect on, 185, 190
  plasma levels, LHRH agonist treatment and, 175, 177
  postvasectomy levels, 41, 43, 44
  secretion, testosterone regulation of, 197–201
  Also see Gonadotropin(s)
Fructolysis, anaerobic, in human spermatozoa, 229–233
Fructolysis in human spermatozoa under normal and pathological conditions, 229–233
Functional significance of blood–testis barrier (review article), 3
Further studies on the inhibitory effect of [D-Ala^6, des-Gly-$NH_2{}^{10}$]LHRH ethylamide on spermatogenesis and steroidogenesis in the rat: Reversibility and effect of androgen administration, 171–180

G

Glucose uptake, in rabbit epididymis explant, 289
Glycosaminoglycan, in boar proacrosin-acrosin conversion, 89–95
Glycosaminoglycan stimulation of the in vitro conversion of boar proacrosin into acrosin, 89–95
Gonadotropin(s)
  diurnal variations of, dibromochloropropane and, 277–280
  LHRH agonist activity, 210–211, 217–219, 222–223
  LHRH agonist treatment and, 174–178
  secretion, diabetes and, 107
Gonadotropin releasing hormone analogues, 152
Guinea pig, antifertility activity of myocrisin in, 28

H

^{3}H-dihydrotestosterone (^{3}H-DHT), uptake and retention, in male accessory organs, 202–206
^{3}H-estradiol, binding to canine prostate cytosol, 238–240
Halothane, and changes in testosterone, 184–187
Hamster
  ^{3}H-DHT uptake and retention in, 202–206
  photoperiod-induced testicular regression and recrudescence in, effect of hCG, PRL, and bromocriptine on, 115–120
  vasectomy effect on osmolarity of testicular and epididymal intraluminal fluid, 167–170
hCG test, in lisuride-treated males, 256–258
Heat sensitivity, of rat ABP, 36–37
Heparin, in boar proacrosin-acrosin conversion, 90–91
Histamine H_2 antagonist, *see* Cimetidine
Human chorionic gonadotropin (hCG)
  in photoperiod-induced testicular regression and recrudescence in hamsters, 115–120
  and testosterone production, 139–144
  Also see Gonadotropin(s)
Hyaluronidase
  in fertilization, 28
  inhibitor of, 28
Hypertension, retinal changes, 299
Hypothalamic-pituitary-testicular axis, diabetes and, 106–107
Hypoxia, effect on isolated testicular capsule of adult rabbit, 96–101

I

Immunoglobulins, seminal fluid, and testicular morphology, 133–136
Infertility
  antisperm antibodies, 154

male, treatment of, 261–267
ova penetration by sperm, 153
semen standards, 153
testicular biopsy, 154
Influence of testicular steroids on thyrotropin releasing hormone-induced prolactin release in mature rams, 121–125
Inhibin, seminal plasma and serum concentrations, 252
Interstitial cells, testicular, estradiol inhibition of testosterone in, 138–144
Intravasal contraceptive devices, 244–250

K

Ketamine, and changes in testosterone, 189
Kinetic parameters, of DOPA/5-HTP in human seminal plasma, 162–163
Klinefelter's syndrome, seminal plasma and serum inhibin concentrations in, 252

L

Lactic acid production, by immotile sperm, 231–232
Leydig cell
dysfunction, and elevated FSH in azoospermic and oligospermic men, 127–131
LHRH receptors, 220
Liquefaction, of human semen, 281
Lisuride, suppression of PRL in men, 255
Luteinizing hormone (LH)
in azoospermic and oligospermic men, 127–131
dibromochloropropane effect on, 277
enflurane anesthesia effect on, 185, 190
in rams, 123
receptor levels, LHRH agonist treatment and, 174–175, 177
postvasectomy levels, 41, 43, 44
Also see Gonadotropin(s)
Luteinizing hormone releasing hormone (LHRH) agonists
antifertility effects in the male, 209–226
inhibition of steroidogenesis and spermatogenesis, 171–180
in prostate cancer, 225, 226
reversibility of testicular effects, 222–225
Luteinizing hormone releasing hormone (LHRH) receptor, testicular site of action, 219–221
Lysozyme, and seminal fluid liquefaction, 285

M

Man
acrosin system assay in, 16–26
antifertility activity of myocrisin in, 28
azoospermic, FSH levels and Leydig cell dysfunction in, 127–131
cimetidine side effects in, 111–114
intranasal LHRH agonist treatment in, 225–226
oligospermic, FSH levels and Leydig cell dysfunction in, 127–131
postvasectomy metabolic/endocrine changes in, 40–49
reproductive function, diabetes and, 105–109
retinal vasculature, postvasectomy effect, 299–303
semen, biochemical aspects of coagulation and liquefaction, 281–287
steroid profiles during PRL suppression by lisuride, 255
vasovasostomy results in, 11–15
Mathematical model, for fluid flow in efferent ducts, 304
Methyltrienolone (R1881)
in study of androgen and estrogen receptors in canine prostate, 235–238
in study of androgen receptor binding, 113
Morphology, in rabbit epididymis explant, 289
Motility tests, mouse sperm, 29
Mouse, antifertility effect of myocrisin in, 28
Myocrisin, antifertility activity of, 28–32

N

Neuraminidase
and rat ABP, 35
and seminal fluid liquefaction, 285
Neuropathy, diabetic, male reproductive function and, 105–106
Nuclear uptake and retention of androgen by the accessory organs in the male golden hamster, 202–206

O

Observation of the results of 300 vasovasostomies, 11–15
Occurrence of DOPA/5-HTP decarboxylase in human seminal plasma: Kinetic parameters and demonstration of a naturally occurring inhibitor of the enzyme, 158–165
Oligospermia
anaerobic fructolysis in, 230
Leydig cell dysfunction and elevated FSH levels in, 127–131
seminal plasma and serum inhibin concentrations, 252
On the mechanism for flow in the efferent ducts, 304–310
Ophthalmoscopic examination, of retinal vasculature, in vasectomized men, 299
Organ culture, rabbit epididymis, continuous flow method for, 289–298
Organ culture apparatus, 290
Osmolarity, of testicular and epididymal intraluminal fluid, vasectomy and, 167–170

P

Pentobarbital, and changes in testosterone, 184–187
Pepsin, and seminal fluid liquefaction, 285
Peristalsis, in efferent duct fluid flow, 304
pH, effect on decarboxylation of 5-HTP, 160–161
Photoperiod
effect on prolactin secretion in rams, 123
effect on serum hormone levels in rams, 123
-induced testicular regression and recrudescence in hamsters, hCG, PRL, and bromocriptine in, 115–120
Physicochemical properties, of rat ABP, 35–36
Pituitary gonadotropin, responsiveness, LHRH agonist inhibition, 217–219
Platinum coil, as intravasal contraceptive device, 244–250
Polyacrylamide gel electrophoresis, of rat ABP, 34
Possible relation between elevated FSH levels and Leydig cell dysfunction in azoospermic and oligospermic men, 127–131
Proacrosin, 16
activation experiments, 19
assay for, 19
results, 21–24
boar
assay, 90
conversion into acrosin, 89
Prolactin (PRL)
lisuride suppression of, 255
in photoperiod-induced testicular regression and recrudescence in hamsters, 115–120
receptors
and androgen-related function in prostate of aging rat, 269
LHRH agonist treatment and, 174, 177
secretion, in rams, testicular steroids and, 121–125
Prostate
cancer, LHRH agonist treatment, 225, 226
cimetidine-DHT interactions in, 112–113
^{3}H-DHT uptake and retention in, 202–206
prolactin response, aging and, 269

ventral, weight, LHRH agonist treatment and, 174–175, 178, 224
Protein
concentration, in human seminal plasma, 159, 160
synthesis, in rabbit epididymis explant, 289
total, prevasectomy and postvasectomy levels, 45
Proteolysis, boar acrosin, glycosaminoglycans and, 93
Pyridoxal phosphate, in human seminal plasma, 159–160

R

Rabbit
epididymis, continuous flow method for organ culture, 289–298
hypoxia effect on spontaneous contraction of isolated testicular capsule, 96–101
Radioactive tracers, in blood–testis barrier studies, 5–8
Radioimmunoassay
human seminal plasma inhibitor, 253
prolactin, in mature rams, 122
Ram
blood–testis barrier studies, 3–9
prolactin secretion in, testicular steroid influence, 121–125
Rat
aging in, androgen regulation of prostate PRL response, 269
androgen binding protein, 33–38
blood–testis barrier studies, 3–9
efferent ducts, fluid flow in, mathematical model for, 304
fertility control, silver and platinum intravasal coils, 244–250
LHRH agonist antifertility effects, 209–226
spermatogenesis and steroidogenesis, LHRH agonist inhibition of, 171–180
testosterone production, anesthetics and, 182–195
Regression, testicular, in hamsters, 115–120
Retinopathy, vasectomy and, 299–303
Reversal of vasectomy and the treatment of male infertility (review article), 261–267
RNA synthesis, in rabbit epididymis explant, 289
Role of hyaluronidase in fertilization: The antifertility activity of myocrisin, a nontoxic hyaluronidase inhibitor, 28

S

Scatchard plot analyses, of prostate cytosol, 235, 237
Semen, *see* Seminal fluid
Seminal fluid
immunoglobulins, testicular morphology and, 133–136
liquefaction and coagulation, 281–287
standards, 153
Seminal plasma
DOPA/5-HTP decarboxylase in, 158–165
immunoreactive inhibin in, 252
Seminal vesicle
^{3}H-DHT uptake and retention in, 202–206
weight, LHRH agonist treatment and, 174–175, 178, 224
Seminiferous tubules
degeneration, LHRH agonist treatment and, 172–176
fluid, composition of, 3–5
Sertoli-cell-only syndrome, seminal plasma and serum inhibin concentrations in, 252
Serum
immunoglobulin, testicular morphology and, 133–136
immunoreactive inhibin in, 252
Serum and seminal fluid immunoglobulin in relation to testicular morphology, 133–136
Silver coils, as intravasal contraceptive devices, 244–250
Sperm-agglutinating antibodies, 134
Spermatogenesis
diabetes mellitus and, 107–108
LHRH agonist inhibition, 171–180, 221–222
Spermatozoa
guinea pig, in vitro acrosome reaction, 30
human
acrosin inhibitor of, 16
acrosin system stability, 19
antibodies to, 41–43, 154
extraction methods, for acrosin system assay, 17–18
fructolysis in, 229–233
motility, diabetes mellitus and, 108
motility
diabetes and, 108
fructolysis and, 230–233
intravasal contraceptive devices and, 246–248
mouse, motility tests, myocrisin in, 29
rabbit, transport, effect of hypoxia on, 96–101
Steroid(s)
profiles in men, during PRL suppression by lisuride, 255
testicular, effect on thyrotropin releasing hormone-induced PRL release in rams, 121–125
Steroidogenesis
effect of anesthetics on, 182–195
LHRH agonist activity and, 211–217, 224
LHRH agonist inhibition, 171–180
testosterone inhibition by estradiol, 138–144
Suitability of silver and platinum coils as intravasal devices for male fertility control in rats, 244–250

T

Testicular and adrenal steroid profiles during PRL suppression by lisuride in men, 255–259
Testis
biopsy, for measuring fertility, 154
capsule contractions, effect of hypoxia on, 96–101
cimetidine-DHT interactions in, 112
fluid composition of, 3–5
hamster
intraluminal fluid osmolarity, vasectomy and, 167–170
photoperiod-induced regression and recrudescence, effect of hCG, PRL, and bromocriptine, 115–120
histology, dibromochloropropane effect on, 277
interstitial cells, estradiol inhibition of testosterone, 138–144
LHRH receptor sites, 219–220
morphology, and serum and seminal fluid immunoglobulins, 133–136
rat, androgen binding protein, 33–38
steroid profiles, during PRL suppression by lisuride, 255
weight, LHRH agonist treatment and, 174–175, 178, 213, 224
Testosterone
in azoospermic and oligospermic men, 127–131
dibromochloropropane and, 277
estradiol inhibition of, 138–144
and LHRH agonist activity, 174–179
postvasectomy levels, 41, 43, 44
production
effect of anesthetics on, 182–195
Also see Steroidogenesis
in rams, 123
and regulation of FSH secretion, 197–201
Testosterone binding globulin (TeBG)-cimetidine interactions, 112
Testosterone regulation of follicle stimulating hormone secretion in the male dog, 197–201
Thyrotropin releasing hormone, and prolactin secretion in rams, testicular steroid influence, 121–125
Total sperm count, in relation to FSH level, 128–130

U

Urethan, and changes in testosterone, 184–188
Uric acid, prevasectomy and postvasectomy levels, 45

V

Vascular disease
diabetic, male reproductive function and, 106
ophthalmoscopic signs of, 299–300
Vasectomy
antibody response after, 41–43
antisperm antibodies following, 41–43
blood chemistry values following, 43, 45–47
effect on retina, 299–303
and osmolarity of testicular and epididymal intraluminal fluid, 167–170
reproductive hormone values following, 41, 43, 44
reversal of, 11–15, 261–267
seminal plasma and serum inhibin concentrations following, 252
technique assuring greatest likelihood of reversibility, 266–267
Vasoepididymostomy, 264–265
Vasovasostomy, 11–15

Author Index to Volume 1

A

Ablin, R. J., Bhatti, R. A., Bush, I. M.: Abstract, 59
Alexander, N. J.: Message from the president, 1
———: Presidential address: Andrology in the year 2000, 149
———, Free, M. J., Paulsen, C. A., Buschbom, R., Fulgham, D. L.: A comparison of blood chemistry, reproductive hormones, and the development of antisperm antibodies after vasectomy in men, 40
———, Hoch, E., Senner, J. W.: Abstract, 75; *also see* Anderson, D. J.; *also see* Fahrenbach, H. B.
Alonso, R., *see* Cortés-Gallegos, V.
American Society of Andrology Fifth Annual Meeting, 53
Anderson, D. J., Vandenbark, A. A., Alexander, N. J.: Abstract, 59
Anderson, R. A., Reddy, J. M., Zaneveld, L. J. D.: Abstract, 81
Anderson, R. M., *see* Lee, C.
Arceo, J. R., *see* Ruiz-Velasco, V.
Arellano, H., *see* Cortés-Gallegos, V.
Asch, R. H., Vaze, A. Y., Thakur, A. N., Sheth, A. R.: Concentrations of immunoreactive inhibin in seminal plasma and serum from normospermic, oligospermic, vasectomized, Klinefelter's syndrome, and Sertoli-cell–only syndrome subjects, 252
Atherton, R. W., *see* Forrester, I. T.
Audhya, T. K., *see* Reddy, J. M.
Aulitzky, H., *see* Rovan, E.

B

Baccetti, B., Bigliardi, E., Talluri, M. V., Soldani, P., Renieri, T., Selmi, M. G.: Abstract, 64
———, Burrini, A. G., Pallini, V., Renieri, T.: Abstract, 78
Bardin, C. W., *see* Lobl, T. J.
Bartke, A.: Message from the editor, 2
———, Hogan, M. P., Cutty, G. B.: Effects of human chorionic gonadotropin, prolactin, and bromocriptine on photoperiod-induced testicular regression and recrudescence in golden hamsters, 115
———, Klemcke, H.: Abstract, 61
Basu, J., *see* Bhattacharyya, A. K.
Bélanger, A., Cusan, L., Séguin, C., Carmichael, R., Caron, S., Labrie, F.: Abstract, 62; *also see* Labrie, F.; *also see* Pelletier, G.; *also see* Séguin, C.
Bhattacharyya, A. K., Sarkar, S. R., Basu, J.: Abstract, 73
Bhatti, R. A., *see* Ablin, R. J.
Bigliardi, E., *see* Baccetti, B.
Bishop, D. W., Chakraborty, J., Whaley, K. J.: Abstract, 71
Boesel, R. W., Shain, S. A.: Aging in the AXC rat: Androgen regulation of prostate prolactin receptors, 269
Bouchard, S., *see* Roberge, A. G.
Brackett, B. G., *see* Ganjam, V. K.
Büber, V., *see* Magrini, G.
Burrini, A. G., *see* Baccetti, B.
Buschbom, R., *see* Alexander, N. J.
Bush, I. M., *see* Ablin, R. J.
Byskov, A. G., *see* Gondos, B.

C

Camatini, M., Franchi, E.: Abstract, 65
———, ———, deCurtis, I.: Abstract, 64
Campbell, J. A., *see* Lobl, T. J.
Cantú, J. M., Velázquez, A., Rivas, F., Diaz, M., Sánchez-Corona, J.: Abstract, 79; *also see* Velázquez, A
Carmichael, R., *see* Bélanger, A.
Caron, S., *see* Bélanger, A.
Castañeda, G., *see* Cortés-Gallegos, V.
Ceda, G. P., Speroni, G., Tarditi, E., Valenti, G.: Abstract, 66
Cervantes, C., *see* Cortés-Gallegos, V.
Chakraborty, J., Jhunjhunwala, J., Young, M., Nelson, L., Flys, A.: Abstract, 65; *also see* Bishop, D. W.
Cheng, H-C., *see* Free, M. J.
Chukwu, W. W., Gardner, P. J.: Abstract, 63
Cognat, M. A., Lecornu, F., LeBourbouac'h, P., Milan, J., Valette, J., Grimaud, J. A.: Abstract, 65
Cohen, M. R., *see* Goodpasture, J. C.
Coon, L. J., *see* Fahrenbach, H. B.
Cortés-Gallegos, V., Arellano, H., Castañeda, G., Alonso, R.: Abstract, 67
———, Castañeda, G., Alonso, R., Arellano, H., Cervantes, C., Parra, A.: Effect of dibromochloropropane upon diurnal variations of gonadotropins and androgens, 277
Cross, S. M., *see* Heffner, P. M.
Cuna, M. F., da, Meistrich, M. L., Gamble, J. F., Ried, H. L.: Abstract, 78
Cusan, L., *see* Bélanger, A.; *also see* Labrie, F.; *also see* Pelletier, G.; *also see* Séguin, C.
Cutty, G. B., *see* Bartke, A.
Czyba, J. C., *see* Guerin, J. F.

D

D'Addario, D. A., Turner, T. T., Howards, S. S.: Effect of vasectomy on the osmolarity of hamster testicular and epididymal intraluminal fluid, 167
Davis, J. R., Horowitz, A. M.: Effect of hypoxia on spontaneous contractions of the adult rabbit isolated testicular capsule and duodenum, 96
DeBenedictis, T. J., *see* Marmar, J. L.
DeCurtis, I., *see* Camatini, M.
Diaz, M., *see* Cantú, J. M.; *also see* Velázquez, A.
Dollar, J. A., *see* Harrison, R. M.
Domville, E., Ruiz-Velasco, V., Rosas, J.: Abstract, 77; *also see* Ruiz-Velasco, V.
Dym, M., *see* Schinfeld, J. S.

E

Eliasson, L., *see* Eliasson, R.
Eliasson, R., Eliasson, L., Virji, N.: Abstract, 76
Eng, J., *see* Kogan, S.
Eward, R. D.: Abstract, 74

F

Fahrenbach, H. B., Alexander, N. J., Senner, J. W., Fulgham, D. L., Coon, L. J.: Effect of vasectomy on the retinal vasculature of men, 299
Falvo, R. E., Gerrity, M., Pirmann, J., Winter, M.: Abstract, 86
———, Vincent, D. L.: Testosterone regulation of follicle-stimulating hormone secretion in male dog, 197
Fazleabas, A. T., Graves, C. N.: Abstract, 81
Felber, J-P., *see* Magrini, G.
Fleischer, N., *see* Kogan, S.
Flys, A., *see* Chakraborty, J.
Foote, R. H., *see* Kummerfeld, H. L.
Forrester, I. T., Schoff, P. K., Haley, B. E., Atherton, R. W.: Abstract, 70
Frajese, G., *see* Silvestroni, L.
Franchi, E., *see* Camatini, M.
Fredericks, C. M., *see* Powers, R. E.
Free, M. J., Jaffe, R. A., Cheng, H-C.: Effect of anesthetics on testosterone production in rats, 182
———, ———, Morford, D. E.: Abstract, 68; *also see* Alexander, N. J.
Freund, M., *see* Peterson, R. N.; *also see* Spaulding, G.
Friberg, J.: Serum and seminal fluid immunoglobulins in relation to testicular morphology, 133
Frick, J., *see* Rovan, E.
Frielink, R. D., *see* Lobl, T. J.
Fujita, J. S., Van Campen, H., Rogers, B. J.: Abstract, 77
Fulgham, D. L., *see* Alexander, N. J.; *also see* Fahrenbach, H. B.

G

Gamble, J. F., *see* Cunha, M. F., da
Ganjam, V. K., Whelan, H. A., Brackett, B. G.: Abstract, 84
Gardner, P. J., *see* Chukwu, W. W., *also see* Strawser, R. T.
Gasperi, M., *see* Magrini, G.
Gerrity, M., *see* Falvo, R. E.
Glass, A. R., *see* Vigersky, R. A.
Goldberg, E.: Abstract, 60; *also see* Wheat, T. E.

Goodman, S. A., Young, L. G.: Abstract, 59
Goodpasture, J. C., Polakoski, K. L., Zaneveld, L. J. D.: Acrosin, proacrosin, and acrosin inhibitor of human spermatozoa: Extraction, quantitation, and stability, 16
———, Zavos, P. M., Cohen, M. R., Zaneveld, L. J. D.: Abstract, 72
Gondos, B., Byskov, A. G.: Abstract, 63
Gourdeau, Y., *see* Labrie, F.
Graves, C. N., *see* Fazleabas, A. T.
Grimaud, J. A., *see* Cognat, M. A.
Grotjan, H. E., Jr., Rodriguez-Rigau, L. J., Steinberger, E.: Estradiol-induced inhibition of testosterone production by testicular interstitial cells incubated in vitro, 138
Guerin, J. F., Czyba, J. C.: Abstract, 76
Gunjikar, A. N., *see* Sheth, A. R.
Gunsalus, G. L., *see* Lobl, T. J.

H

Haley, B. E., *see* Forrester, I. T.
Hamilton, D. W.: Abstract, 83; *also see* Wenstrom, J. C.
Hanna, M., *see* Kogan, S.
Harrison, R. M., Lewis, R. W., Dollar, J. A.: Abstract, 79
Hawkins, E. F., Trachtenberg, J., Hicks, L. L., Walsh, P. C.: Androgen and estrogen receptors in the canine prostate, 234
Heffner, L. J., Saling, P. M., Cross, S. M., Storey, B. T.: Abstract, 82
Heindel, J. J., Philo, R., Preslock, J. P.: Abstract, 87
Helmbrecht, G., *see* Rogers, B. J.
Hicks, L. L., *see* Hawkins, E. F.
Hinton, B. T., Setchell, B. P.: Abstract, 83
Hoch, E., *see* Alexander, N. J.
Hogan, M. P., *see* Bartke, A.
Holland, J. M., *see* Lee, C.
Holland, M. K., White, I. G.: Abstract, 70
Homonnai, Z. T., *see* Paz, G. F.
Horowitz, A. M., *see* Davis, J. R.
Horowski, R., *see* Magrini, G.
Howards, S. S., *see* D'Addario, D. A.; *also see* Turner, T. T.
Hsu, A-F., *see* Stratico, D.

J

Jaffe, R. A., *see* Free, M. J.
Jhunjhunwala, J., *see* Chakraborty, J.
Jones, R., *see* Mann, T.
Jonsson, H. T., Jr., *see* Powers, R. E.
Joshi, L. R., Moodbidri, S. B., Sheth, A. R.: Abstract, 87
Joyce, C., *see* Reddy, J. M.

K

Katricka, J., *see* Spaulding, G.
Katz, S., *see* Marmar, J. L.
Kelly, P. A., *see* Labrie, F.; *also see* Pelletier, G.; *also see* Séguin, C.
Kirton, K. T., *see* Lobl, T. J.
Klemcke, H., *see* Bartke, A.
Koehle, R., *see* Rovan, E.
Kogan, S., Eng, J., Levitt, S., Hanna, M., Fleischer, N.: Abstract, 66
Koide, S. S., *see* Tumboh-Oeri, A. G.
Kummerfeld, H. L., Lorton, S. P., Foote, R. H.: Abstract, 81

L

Labrie, F., Bélanger, A., Cusan, L., Séguin, C., Pelletier, G., Kelly, P. A., Reeves, J. J., Lefebvre, F-A., Lemay, A., Gourdeau, Y., Raynaud, J-P.: Antifertility effects of LHRH agonists in the male, 209; *also see* Bélanger, A.; *also see* Pelletier, G.; *also see* Séguin, C.
Laufer, A., *see* Segal, S.
Lavoie, J., *see* Roberge, A. G.
LeBourbouac'h, P., *see* Cognat, M. A.
Lecornu, F., *see* Cognat, M. A.
Lee, C., Anderson, R. M., Zuk, A., Holland, J. M.: Abstract, 85
Lee, H. Y.: Observations of the results of 300 vasovasostomies, 11
Lee, J., *see* Winters, S. J.
Lefebvre, F-A., *see* Labrie, F.
Lemay, A., *see* Labrie, F.
Levitt, S., *see* Kogan, S.
Lewis, R. W., *see* Harrison, R. M.
Lin, T., Murono, E., Osterman, J., Nankin, H. R.: Abstract, 86; *also see* Nankin, H. R.
Livni, N., *see* Segal, S.
Lobl, T. J., Frielink, R. D., Kirton, K. T., Campbell, J. A.: Abstract, 61
———, Gunsalus, G. L., Musto, N. A., Bardin, C. W.: Abstract, 87
Lorton, S. P., *see* Kummerfeld, H. L.

M

Magrini, G., Büber, V., Felber, J. P.: Abstract, 67
———, Rousselle, J., Horowski, R., Gasperi, M., Felber, J-P.: Testicular and adrenal steroid profiles during PRL suppression by lisuride in men, 255
Mailhot, J., *see* Roberge, A. G.
Mann, T., Jones, R., Sherins, R. J.: Fructolysis in human spermatozoa under normal and pathological conditions, 229
Marmar, J. L., Katz, S., Praiss, D. E., DeBenedictis, T. J.: Abstract, 76
McRae, G. I., *see* Vickery, B. H.
Meistrick, M. L., *see* Cunha, M. F., da
Ménézo, Y., *see* Orgebin-Crist, M.-C.
Milan, J., *see* Cognat, M. A.
Modesti, A., *see* Silvestroni, L.
Moodbidri, S. B., *see* Joshi, L. R.
Morford, D. E., *see* Free, M. J.
Murono, E., *see* Lin, T.; *also see* Nankin, H. R.
Musto, N. A., *see* Lobl, T. J.

N

Nankin, H. R., Lin, T., Murono, E., Osterman, J., Troen, P.: Abstract, 86; *also see* Lin, T.
Nelson, L., *see* Chakraborty, J.
Newton, R., Schinfeld, J., Schiff, I.: Abstract, 80; *also see* Schinfeld, J. S.

O

Orgebin-Crist, M.-C., Ménézo, Y.: A continuous flow method for organ culture of rabbit epididymis: Morphology, amino acid utilization, glucose uptake, RNA, and protein synthesis, 289
Oshima, H., *see* Stratico, D.
Osterman, J., *see* Lin, T.; *also see* Nankin, H. R.

P

Pallini, V., *see* Baccetti, B.
Pappas, P., *see* Turek, F. W.
Parra, A., *see* Cortés-Gallegos, V.
Parrish, R. F., Polakoski, K. L.: Abstract, 72
———, Wincek, T. J., Polakoski, K. L.: Glycosaminoglycan stimulation of in vitro conversion of boar proacrosin into acrosin, 89
Paulsen, C. A., *see* Alexander, N. J.
Paz, G. F., Homonnai, Z. T.: Abstract, 81
Pelletier, G., Cusan, L., Bélanger, A., Séguin, C., Kelly, P. A., Labrie, F.: Further studies on the inhibitory effect of [D-Ala^6, des-Gly-NH$_2^{10}$] LHRH ethylamide on spermatogenesis and steroidogenesis in the rat: Reversibility and effect of androgen administration, 171; *also see* Labrie, F.
Peterson, R. N., Russell, L., Freund, M.: Abstract, 82; *also see* Spaulding, G.
Philo, R., *see* Heindel, J. J.
Pierrepoint, C. G., *see* Younes, M. A.
Pirmann, J., *see* Falvo, R. E.
Polakoski, K. L., *see* Goodpasture, J. C.; *also see* Parrish, R. F.; *also see* Straus, J. W.
Pomerantz, D. K.: Abstract, 85
Powers, R. E., Jonsson, H. T., Jr., Fredericks, C. M.: Abstract, 68
Praiss, D. E., *see* Marmar, J. L.
Preslock, J. P., *see* Heindel, J. J.
Propping, D., *see* Tauber, P. F.

R

Raynaud, J-P., *see* Labrie, F.
Reddy, J. M., Audhya, T. K., Zaneveld, L. J. D.: Abstract, 70
———, Joyce, C., Zaneveld, L. J. D.: Role of hyaluronidase in fertilization: The antifertility activity of myocrisin, a nontoxic hyaluronidase inhibitor, 28; *also see* Anderson, R. A.
Reeves, J. J., *see* Labrie, F.; *also see* Séguin, C.
Renieri, T., *see* Baccetti, B.
Ried, H. L., *see* Cunha, M. F., da
Rivas, F., *see* Cantú, J. M.; *also see* Velázquez, A.
Roberge, A. C., Bouchard, S., Lavoie, J., Tremblay, R. R., Mailhot, J.: Oc-

currence of DOPA/5-HTP in human seminal plasma: Kinetic parameters and demonstration of a naturally occurring inhibitor of the enzyme, 158
Rodriguez-Rigau, L. J.: Diabetes and male reproductive function, 105
———, Smith, K. D., Steinberger, E.: Abstract, 79
———, ———, ———: A possible relation between elevated FSH levels and Leydig cell dysfunction in azoospermic and oligospermic men, 127; *also see* Grotjan, H. E., Jr.; *also see* Silber, S. J.
Rogers, B. J., Van Campen, H., Helmbrecht, G., Soderdahl, D.: Abstract, 79; *also see* Fujita, J. S.
Rosas, J., *see* Domville, E.
Rousselle, J., *see* Magrini, G.
Rovan, E., Aulitzky, H., Frick, J., Steiner, M., Koehle, R., Weiske, W.: The suitability of silver and platinum coils as intravasal devices for male fertility control in rats, 244
Ruiz-Velasco, V., Domville, E., Arceo, J. R.: Abstract, 74; *also see* Domville, E.
Russell, L., *see* Peterson, R. N.; *also see* Spaulding, G.

S

Saling, P. M., *see* Heffner, L. J.
Sánchez-Corona, J., *see* Cantú, J. M.
Sarkar, S. R., *see* Bhattacharyya, A. K.
Sartori, C., *see* Silvestroni, L.
Schanbacher, B. D.: Influence of testicular steroids on thyrotropin releasing hormone-induced prolactin release in mature rams, 121
Schiff, I., *see* Newton, R.; *also see* Schinfeld, J. S.
Schinfeld, J. S., Schiff, I., Newton, R., Dym, M.: Abstract, 66; *also see* Newton, R.
Schoff, P. K., *see* Forrester, I. T.
Schumacher, G. F. B., *see* Tauber, P. F.
Segal, S., Livni, N., Laufer, A.: Abstract, 63
Séguin, C., Cusan, L., Bélanger, A., Reeves, J. J., Kelly, P. A., Labrie, F.: Abstract, 61; *also see* Bélanger, A.; *also see* Labrie, F.; *also see* Pelletier, G.
Selmi, M. G., *see* Baccetti, B.
Senner, J. W., *see* Alexander, N. J.; *also see* Fahrenbach, H. B.
Setchell, B. P.: The functional significance of the blood–testis barrier, 3; *also see* Hinton, B. T.
Shah, G. V., *see* Sheth, A. R.
Shain, S. A., *see* Boesel, R. W.
Sheridan, P. J., *see* Weaker, F. J.
Sherins, R. J., *see* Mann, T.
Sheth, A. R., Shah, G. V., Gunjikar, A. N.: Abstract, 84; *also see* Asch, R. H.; *also see* Joshi, L. R.
Silber, S. J.: Abstract, 74
———: Reversal of vasectomy and the treatment of male infertility, 261
———, Rodriguez-Rigau, L. J.: Abstract, 74
Silvestroni, L., Sartori, C., Modesti, A., Frajese, G.: Abstract, 71
Smith, K. D., *see* Rodriguez-Rigau, L. J.
Soderdahl, D., *see* Rogers, B. J.
Soldani, P., *see* Baccetti, B.
Spaulding, G., Peterson, R. N., Russell, L., Katricka, J., Freund, M.: Abstract, 71
Speroni, G., *see* Ceda, G. P.
Steinberger, A.: Abstract, 87
Steinberger, E., *see* Grotjan, H. E., Jr.; *also see* Rodriguez-Rigau, L. J.
Steiner, M., *see* Rovan, E.
Storey, B. T., *see* Heffner, L. J.
Stratico, D., Hsu, A-F., Oshima, H., Troen, P.: Multiple forms of rat testicular androgen binding protein: Physicochemical properties and the effect of Ca^{++}, 33
Straus, J. W., Polakoski, K. L.: Abstract, 72
Strawser, R. T., Gardner, P. J.: Abstract, 64

T

Talluri, M. V., *see* Baccetti, B.
Tarditi, E., *see* Ceda, G. P.
Tauber, P. F., Propping, D., Schumacher, G. F. B., Zanefeld, L. J. D.: Biochemical aspects of the coagulation and liquefaction of human semen, 281
Thakur, A. N., *see* Asch, R. H.
Trachtenberg, J., *see* Hawkins, E. F.
Tremblay, R. R., *see* Roberge, A. G.
Troen, P., *see* Nankin, H. R.; *also see* Stratico, D.; *also see* Winters, S. J.
Tumboh-Oeri, A. G., Koide, S. S.: Abstract, 80
Turek, F. W., Pappas, P.: Abstract, 69
Turner, T. T., Weed, D. D., Howards, S. S.: Abstract, 83; *also see* D'Addario, D. A.

U

Urry, R. L.: Abstract, 64

V

Valenti, G., *see* Ceda, G. P.
Valette, J., *see* Cognat, M. A.
Van Campen, H., *see* Fujita, J. S.; *also see* Rogers, B. J.
Vandenbark, A. A., *see* Anderson, D. J.
Vaze, A. Y., *see* Asch, R. H.
Velázquez, A., Diaz, M., Rivas, F., Cantú, J. M.: Abstract, 78; *also see* Cantú, J.
Vickery, B. H., McRae, G. I.: Abstract, 62
Vigersky, R. A., Glass, A. R.: Abstract, 67
Vincent, D. L., *see* Falvo, R. E.
Virji, N., *see* Eliasson, R.

W

Walsh, P. C., *see* Hawkins, E. F.
Weaker, F. J., Sheridan, P. J.: Nuclear uptake and retention of androgen by the accessory organs in the male golden hamster, 202
Weed, D. D., *see* Turner, T. T.
Weiske, W., *see* Rovan, E.
Wenstrom, J. C., Hamilton, D. W.: Abstract, 68
Whaley, K. J., *see* Bishop, D. W.
Wheat, T. E., Goldberg, E.: Abstract, 60
Whelan, H. A., *see* Ganjam, V. K.
White, I. G., *see* Holland, M. K.
Wincek, T. J., *see* Parrish, R. F.
Winet, H.: Abstract, 69
———: On the mechanism for flow in the efferent ducts, 304
Winter, M., *see* Falvo, R. E.
Winters, S. J., Lee, J., Troen, P.: Competition of the histamine H_2 antagonist cimetidine for androgen binding sites in man, 111

Y

Younes, M. A., Pierrepoint, C. G.: Abstract, 85
Young, L. G., *see* Goodman, S. A.
Young, M., *see* Chakraborty, J.

Z

Zaneveld, L. J. D., *see* Anderson, R. A.; *also see* Goodpasture, J. C.; *also see* Reddy, J. M.; *also see* Tauber, P. F.
Zavos, P. M., *see* Goodpasture, J. C.
Zuk, A., *see* Lee, C.